THE CANADIAN ENTOMOLOGIST

Index to Volume 118 (1986)

SUPPLEMENTS AND MEMOIRS

THE ENTOMOLOGICAL SOCIETY OF CANADA, OTTAWA

Adamski, D., and **T.M. Peters.** Review of Nearctic *Apotomis* Hübner (Lepidoptera: Tortricidae: Olethreutini), 649.

Adler, P.H., and **D.C. Currie.** Taxonomic resolution of three new species near *Simulium vernum*, Macquart (Diptera: Simuliidae), 1207.

Ali-Khan, S.T. See Maiteki *et al.*, 601.

AliNiazee, M.T. Seasonal history, adult flight activity, and damage of the obliquebanded leafroller, *Choristoneura rosaceana* (Lepidoptera: Tortricidae), in filbert orchards, 351.

Amirault, P.A., and **N.R. Brown.** Cone and seed insects of tamarack, *Larix laricina* (Du Roi) K. Koch, and attempts to control damage using chemical insecticides, 589.

Amman, G.D. See Logan and Amman, 361.

Angerilli, N.P.D., A.P. Gaunce, and **D.M. Logan.** Some effects of post-harvest fumigation, controlled-atmosphere storage, and cold storage on San Jose scale (Homoptera: Diaspididae) survival on two varieties of apples, 493.

Angerilli, N.P.D., and **D.M. Logan.** The use of pheromone and barrier traps to monitor San Jose scale (Homoptera: Diaspididae); phenology in the Okanagan Valley of British Columbia, 767.

Arthur, A.P., and **P.G. Mason.** Life history and immature stages of the parasitoid *Microplitis mediator* (Hymenoptera: Braconidae), reared on the bertha armyworm *Mamestra configurata* (Lepidoptera: Noctuidae), 487.

Baker, R.L. Effects of density, disturbance, and waste products on growth of larval *Enallagma ebrium* (Hagen) (Odonata: Coenagrionidae), 325.

Barker, P.S. Statistical distribution of damage on wheat heads caused by the wheat midge, *Sitodiplosis mosellana* (Géhin), in Manitoba, 1075.

Batzer, D.P., and **R.D. Sjogren.** Larval habitat characteristics of *Coquillettidia perturbans* (Diptera: Culicidae) in Minnesota, 1193.

Behan-Pelletier, V.M. Ceratozetidae (Acari: Oribatei) of the western North American subarctic, 991.

Bergh, C. See Ponder *et al.*, 797.

Bergh, J.C., and **W.D. Seabrook.** A simple technique for indexing the mating status of male spruce budworm, *Choristoneura fumiferana* (Lepidoptera: Tortricidae), 37.

Berryman, A.A. On the dynamics of blackheaded budworm populations, 775.

Boethel, D.J. See Orr *et al.*, 1063.

Boiteau, G. Native predators and the control of potato aphids, 1177.

Boivin, G. *Anaphes sordidatus* (Girault) (Hymenoptera: Mymaridae), an egg parasite of the carrot weevil, *Listronotus oregonensis* (LeConte), 393.

Borden, J.H. See Loschiavo *et al.*, 1.
See Miller *et al.*, 85.

Bostanian, N.J., and **L.J. Coulombe.** An integrated pest management program for apple orchards in southwestern Quebec, 1131.

Bousquet, Y. Description of first-instar larva of *Metrius contractus* Eschscholtz (Coleoptera: Carabidae) with remarks about phylogenetic relationships and ranking of the genus *Metrius* Eschscholtz, 373.

Bracken, G.K., and **G.E. Bucher.** Yield losses in canola caused by adult and larval flea beetles, *Phyllotreta cruciferae* (Coleoptera: Chrysomelidae), 319.

Broadbent, A.B., M. Chiba, and **B.D. McGarvey.** Aldicarb on greenhouse chrysanthemums in Ontario: efficacy for control of *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae) and residues in foliage, 789.

Brown, N.R. See Amirault and Brown, 589.

Brown, R.G., I.D. Hodkinson, and **D. Hollis.** Strepsiptera parasitizing Psyllids (Homoptera: Psylloidea), 181.

Brust, R.A. See Farkas and Brust, 1307.

Bucher, G.E. See Bracken and Bucher, 319.

Burgess, L., and **C.F. Hiuks.** Effect of post-treatment temperature on the contact toxicity of cypermethrin spray to adults of the flea beetle, *Phyllotreta cruciferae* (Goeze), 79.

Burgess, L., and **H.H. Weegar.** A method for rearing *Nysius ericae* (Hemiptera: Lygaeidae), the false chinch bug, 1059.

Byers, J.R., and **K.W. Richards.** Spiny elm caterpillars, *Nymphalis antiopa* (Nymphalidae: Lepidoptera), feeding on sainfoin, *Onobrychis viciaefolia* (Leguminosae), 941.

Cadogan, B.L. Relative field efficacies of Sumithion 20% flowable and Sumithion technical formulations against spruce budworm, *Choristoneura fumiferana* (Lepidoptera: Tortricidae), 1143.

Capwell, B.A. See Culliney *et al.*, 729.

Chiba, M. See Broadbent *et al.*, 789.

Chiri, A.A., and **E.F. Legner.** Response of three *Chelonus* (Hymenoptera: Braconidae) species to kairomones in scales of six Lepidoptera, 329.

Corrigan, J.E. See Laing *et al.*, 17.

Coulombe, L.J. See Bostanian and Coulombe, 1131.

Coulson, R.N. See Wagner *et al.*, 901.

Covell, C.V., Jr., D.C. Ferguson, and G.B. Straley. *Ennomos alniaria* (Lepidoptera: Geometridae), a European moth recently discovered in British Columbia, 499.

Cox, D.L., and D.A. Potter. Aerial dispersal behavior of larval bagworm, *Thyridopteryx ephemeraeformis* (Lepidoptera: Psychidae), 525.

Culliney, T.W. Predation on adult *Phyllotreta* flea beetles by *Podisus maculiventris* (Hemiptera: Pentatomidae) and *Nabicula americolimbata* (Hemiptera: Nabidae), 731.

Culliney, T.W., D. Pimentel, O.S. Namuco, and B.A. Capwell. New observations of predation by plant bugs (Hemiptera: Miridae), 729.

Currie, D.C. See Adler and Currie, 1207.

Dahlsten, D.L. See DeMars *et al.*, 881.

Darling, D.C. Revision of the New World Chrysolampinae (Hymenoptera: Chalcidoidea), 913.

Dawson, A.F. See Hulme *et al.*, 1115.

DeMars, C.J., Jr., D.L. Dahlsten, N.X. Sharpnack, and D.L. Rowney. Tree utilization and density of attacking and emerging populations of the western pine beetle (Coleoptera: Scolytidae) and its natural enemies, Bass Lake, California, 1970–1971, 881.

De Meillon, B., and J.A. Downes. Subsaharan Ceratopogonidae (Diptera). X. Report on species collected in the Drakensberg, South Africa, 141.

de Oliveira, D. See Gebara and de Oliveira, 609.

Dondale, C.D., and J.H. Redner. The *coloradensis*, *xerampelina*, *lapponica*, and *tesquorum* groups of the genus *Pardosa* (Araneae: Lycosidae) in North America, 815.

Dosdall, L.M., P.G. Mason, and D.M. Lehmkuhl. First records of phoretic Chironomidae (Diptera) associated with nymphs of *Pteronarcys dorsata* (Say) (Plecoptera: Pteronarcyidae), 511.

Downe, A.E.R. See Houseman and Downe, 241.

Downes, J.A. See De Meillon and Downes, 141.

Dunn, J.P., T.W. Kimmerer, and G.L. Nordin. Attraction of the twolined chestnut borer, *Agrilus bilineatus* (Weber) (Coleoptera: Buprestidae), and associated borers to volatiles of stressed white oak, 503.

Eidt, D.C., and V.N. Mailet. Accumulation and persistence of fenitrothion in needles of balsam fir and possible effects on abundance of *Neodiprion abietis* (Harris) (Hymenoptera: Diptionidae), 69.

Erlandson, M.A., A.B. Ewen, M.K. Mukerji, and C. Gillott. Susceptibility of immature stages of *Melanoplus sanguinipes* (Fab.) (Orthoptera: Acrididae) to *Nosema cuneatum* Henry (Microsporida: Nosematidae) and its effect on host fecundity, 29.

Ewen, A.B. See Erlandson *et al.*, 29.

Farkas, M.J., and R.A. Brust. Pitcher-plant sarcophagids from Manitoba and Ontario, 1307.

Ferguson, D.C. See Covell *et al.*, 499.

Fields, P.G., and J.N. McNeil. Possible dual cold-hardiness strategies in *Cisseps fulvicollis* (Lepidoptera: Arctiidae), 1309.

Flamm, R.O. See Wagner *et al.*, 901.

Flinn, P.W., A.A. Hower, and R.A.J. Taylor. Erratum, 281.

Francoeur, A. See Jennings *et al.*, 43.

Deux nouvelles fourmis néarctiques: *Leptothorax retractus* et *L. sphagnicolus* (Formicidae, Hymenoptera), 1151.

Freitag, R. See Van Natto and Freitag, 89.

See Van Natto and Freitag, 1078.

Fuller, G.A., and R.C. Plowright. Nest defence by honey-daubing in the bumblebee *Bombus griseocollis* De Geer (Hymenoptera: Apidae), 479.

Garraway, E. The biology of *Ips calligraphus* and *Ips grandicollis* (Coleoptera: Scolytidae) in Jamaica, 113.

Gaunce, A.P. See Angerilli *et al.*, 493.

Gebara, A., and D. de Oliveira. Première mention de *Culex tarsalis* (Diptera: Culicidae) au Québec, 609.

Gerber, G.H. See Howlader and Gerber, 735.

See Howlader and Gerber, 1221.

Gibson, G.A.P. Evidence of monophyly and relationships of Chalcidoidea, Mymaridae, and Mymarommatidae (Hymenoptera: Terebrantes), 205.

Mesothoracic skeletomusculature and mechanics of flight and jumping in Eupelminae (Hymenoptera, Chalcidoidea: Eupelmidae), 691.

Gilkeson, L.A., and S.B. Hill. Genetic selection for and evaluation of nondiapause lines of predatory midge, *Aphidoletes aphidimyza* (Rondani) (Diptera: Cecidomyiidae), 869.

Gillott, C. See Erlandson *et al.*, 29.

See Palaniswamy *et al.*, 1279.

Gilstrap, F.E. See Summy *et al.*, 81.

Goeden, R.D., and L.T. Kok. Comments on a proposed "new" approach for selecting agents for the biological control of weeds, 51.

Grout, T.G., and J.G. Morse. Insect growth regulators: promising effects on citrus thrips (Thysanoptera: Thripidae), 389.

Guppy, J.C. Bionomics of the damsel bug, *Nabis americoferus* Carayon (Hemiptera: Nabidae), a predator of the alfalfa blotch leafminer (Diptera: Agromyzidae), 745.
Hardman, J.M. See Smith and Hardman, 753.
Harris, C.R., and S.A. Turnbull. Contact toxicity of some pyrethroid insecticides, alone and in combination with piperonyl butoxide, to insecticide-susceptible and pyrethroid-resistant strains of the Colorado potato beetle (Coleoptera: Chrysomelidae), 1173.
Harris, J.W.E. See Hulme *et al.*, 1115.
Hart, W.G. See Summy *et al.*, 81.
Heraty, J.M. See Laing *et al.*, 17.
Hill, S.B. See Gilkeson and Hill, 869.
Hinks, C.F. See Burgess and Hinks, 79.
Hodkinson, I.D. See Brown *et al.*, 181.
Hollis, D. See Brown *et al.*, 181.
Houseman, J.G., and A.E.R. Downe. Methods of measuring blood meal size and proteinase activity for determining effects of mated state on digestive processes of female *Aedes aegypti* (L.) (Diptera: Culicidae), 241.
Houseweart, M.W. See Jennings *et al.*, 43.
Hower, A.A. See Flinn *et al.*, 281.
See Quinn and Hower, 517.
Howlader, M.A., and G.H. Gerber. Calling behavior of the bertha armyworm, *Mamestra configurata* (Lepidoptera: Noctuidae), 735.
Effects of age, egg development, and mating on calling behavior of the bertha armyworm, *Mamestra configurata* Walker (Lepidoptera: Noctuidae), 1221.
Hulme, M.A., A.F. Dawson, and J.W.E. Harris. Exploiting cold-hardiness to separate *Pissodes strobi* (Peck) (Coleoptera: Curculionidae) from associated insects in leaders of *Picea sitchensis* (Bong.) Carr., 1115.
Hunt, D.W.A. Absence of fatty acid germination inhibitors for conidia of *Beauveria bassiana* on the integument of the bark beetle *Dendroctonus ponderosae* (Coleoptera: Scolytidae), 837.
Ibaraki, A. See Sahota *et al.*, 839.
Jennings, D.T., M.W. Houseweart, and A. Francoeur. Ants (Hymenoptera: Formicidae) associated with strip-clearcut and dense spruce-fir forests of Maine, 43.
Jolicoeur, P. See Leprince and Jolicoeur, 1265.
See Leprince and Jolicoeur, 1273.
Kaushik, N.K. See Rodrigues and Kaushik, 549.
Kemp, W.P. Thermoregulation in three rangeland grasshopper species, 335.
Kimmerer, T.W. See Dunn *et al.*, 503.
Kipp, L.R. See Ponder *et al.*, 797.
Kok, L.T. See Goeden and Kok, 51.
See Lasota and Kok, 597.
Kononenko, V.S. See Lafontaine *et al.*, 255.
See Lafontaine and Kononenko, 1079.
Lafontaine, J.D., and V.S. Kononenko. A revision of the genus *Trichosilia* Hampson (Lepidoptera: Noctuidae) with descriptions of four new species, 1079.
Lafontaine, J.D., V.S. Kononenko, and T.L. McCabe. A review of the *Lasionycta leucocycla* complex (Lepidoptera: Noctuidae) with descriptions of three new subspecies, 255.
Laing, J.E., J.M. Heraty, and J.E. Corrigan. Summer diapause in *Phyllonorycter blancardella* (Fabr.) (Lepidoptera: Gracillariidae) in Ontario, 17.
Lalonde, R.G. See Shorthouse and Lalonde, 1199.
Lamb, R.J. See Maiteki *et al.*, 601.
Landry, R.W. See Shorthouse *et al.*, 249.
Lasota, J.A., and L.T. Kok. Refrigeration for maintenance of *Pteromalus puparum* (L.) (Hymenoptera: Pteromalidae) adult parasites, 597.
Lee, D.A., and J.R. Spence. Phenology of the European corn borer (*Ostrinia nubilalis*) in Alberta, 943.
Legner, E.F. See Chiri and Legner, 329.
Lehmkuhl, D.M. See Dosdall *et al.*, 511.
Leprince, D.J., and P. Jolicoeur. Annual, intra-, and inter-specific variations in body size and potential fecundity of some *Tabanus* species (Diptera: Tabanidae), 1265.
Response to carbon dioxide of *Tabanus quinquevittatus* Wiedemann females (Diptera: Tabanidae) in relation to relative abundance, parity, follicle development, and sperm and fructose presence, 1273.
LeSage, L. The eggs and larvae of *Crytocephalus quadruplex* Newman and *C. venustus* Fabricius, with a key to the known immature stages of the Nearctic genera of cryptocephaline leaf beetles (Coleoptera: Chrysomelidae), 97.
Levanidova, I.M. See Schmid and Levanidova, 1165.

Liebhold, A.M. Larval coloration of hybrids between *Choristoneura occidentalis* and *C. retiniana* (Lepidoptera: Tortricidae), 857.

Lindelöw, Å., and J. Weslien. Sex-specific emergence of *Ips typographus* L. (Coleoptera: Scolytidae) and flight behavior in response to pheromone sources following hibernation, 59.

Logan, D.M. See Angerilli *et al.*, 493.

See Angerilli and Logan, 767.

Logan, J.A., and G.D. Amman. A distribution model for egg development in mountain pine beetle, 361.

Lonergan, G.C. See Ponder *et al.*, 797.

Loschiavo, S.R., and L.B. Smith. Population fluctuations of the rusty grain beetle, *Cryptolestes ferrugineus* (Coleoptera: Cucujidae), monitored with insect traps in wheat stored in a steel granary, 641.

Loschiavo, S.R., and N.D.G. White. Effects of diet and population density on larval development and pupal weight on *Tribolium confusum*, 733.

Loschiavo, S.R., J. Wong, N.D.G. White, H.D. Pierce, Jr., J.H. Borden, and A.C. Oehlschlager. Field evaluation of a pheromone to detect adult rusty grain beetles, *Cryptolestes ferrugineus* (Coleoptera: Cucujidae), in stored grain, 1.

Madden, J.L. See Miller *et al.*, 85.

Maiteki, G.A., R.J. Lamb, and S.T. Ali-Khan. Seasonal abundance of the pea aphid, *Acyrthosiphon pisum* (Homoptera: Aphididae), in Manitoba field peas, 601.

Mallet, V.N. See Eidt and Mallet, 69.

Markin, G.P. See Stein and Markin, 1185.

Marshall, D.B., and D.J. Pree. Effects of pyrethroid insecticides on eggs and larvae of resistant and susceptible populations of spotted tentiform leafminer, 1123.

Mason, P.G. See Arthur and Mason, 487.

See Dosdall *et al.*, 511.

McCabe, T.L. See Lafontaine *et al.*, 255.

McGarvey, B.D. See Broadbent *et al.*, 789.

McNeil, J.N. See Fields and McNeil, 1309.

Miller, D.R., J.L. Madden, and J.H. Borden. Primary attraction of *Ips latidens* (LeConte) and *Hylastes gracilis* LeConte (Coleoptera: Scolytidae) to high-girdled lodgepole pine, *Pinus contorta* var. *latifolia* Engelmann, 85.

Miller, G.E. Distribution of *Contarinia oregonensis* Foote (Diptera: Cecidomyiidae) eggs in Douglas-fir seed orchards and a method of estimating egg density, 1291.

Damage prediction for *Contarinia oregonensis* Foote (Diptera: Cecidomyiidae) in Douglas-fir seed orchards, 1297.

Miller, G.E., and D.S. Ruth. Effect of temperature during May to August on termination of prolonged diapause in the Douglas-fir cone moth (Lepidoptera: Tortricidae), 1073.

Morris, O.N. Susceptibility of the bertha armyworm, *Mamestra configurata* (Lepidoptera: Noctuidae), to commercial formulations of *Bacillus thuringiensis* var. *kurstaki*, 473.

Morris, R.F. Notes on an unusual habitat for overwintering European crane fly larvae (Diptera: Tipulidae) in Newfoundland, 1205.

Morse, J.G. See Grout and Morse, 389.

Mukerji, M.K. See Erlandson *et al.*, 29.

Namuco, O.S. See Culliney *et al.*, 729.

Nordin, G.L. See Dunn *et al.*, 503.

Oehlschlager, A.C. See Loschiavo *et al.*, 1.

Oliver, D.R. See Smith and Oliver, 407.

Onstad, D.W., W.H. Reissig, and C.A. Shoemaker. Influence of apple cultivar, tree phenology, and leaf quality on the development and mortality of *Choristoneura rosaceana* (Lepidoptera: Tortricidae), 123.

Orr, D.B., J.S. Russin, and D.J. Boethel. Reproductive biology and behavior of *Telenomus calvus* (Hymenoptera: Scelionidae), a phoretic egg parasitoid of *Podisus maculiventris* (Hemiptera: Pentatomidae), 1063.

Palaniswamy, P., C. Gillott, and G.P. Slater. Attraction of diamondback moths, *Plutella xylostella* (L.) (Lepidoptera: Plutellidae), by volatile compounds of canola, white mustard, and faba bean, 1279.

Peet, F.G. See Sahota *et al.*, 839.

Peters, R.M. See Adamski and Peters, 649.

Pierce, H.D., Jr. See Loschiavo *et al.*, 1.

Pimentel, D. See Culliney *et al.*, 729.

Plowright, R.C. See Fuller and Plowright, 479.

Ponder, B.M., L.R. Kipp, C. Bergh, G.C. Lonergan, and W.D. Seabrook. Factors affecting spruce budworm (*Choristoneura fumiferana*) (Clem.) mating and mating disruption with pheromone in the laboratory, 797.

Potter, D.A. See Cox and Potter, 525.

Pree, D.J. See Marshall and Pree, 1123.

Quinn, M.A., and A.A. Hower. Multivariate analysis of the population structure of *Sitona hispidulus* (Coleoptera: Curculionidae) in alfalfa field soil, 517.

Raworth, D.A. An economic threshold function for the twospotted spider mite, *Tetranychus urticae* (Acari: Tetranychidae), on strawberries, 9.

Sampling statistics and a sampling scheme for the twospotted spider mite, *Tetranychus urticae* (Acari: Tetranychidae), on strawberries, 807.

Redner, J.H. See Dondale and Redner, 815.

Reissig, W.H. See Onstad *et al.*, 123.

Richards, K.W. See Byers and Richards, 941.

Robinson, A.G. Annotated list of *Uroleucon (Lambersius)* (Homoptera: Aphididae) of America north of Mexico, with a key and descriptions of new species, 559.

Rodrigues, C.S., and N.K. Kaushik. Laboratory evaluation of the insect growth regulator diflubenzuron against black fly (Diptera: Simuliidae) larvae and its effects on nontarget stream invertebrates, 549.

Rowney, D.L. See DeMars *et al.*, 881.

Russin, J.S. See Orr *et al.*, 1063.

Ruth, D.S. See Miller and Ruth, 1073.

Ryan, R.B. Analysis of life tables for the larch casebearer (Lepidoptera: Coleophoridae) in Oregon, 1255.

Sahota, T.S., F.G. Peet, A.J. Thomson, and A. Ibaraki. Changes in hemolymph proteins in relation to dormancy of *Barbara colfaxiana* Kft. and the influence of ecdysone and precocene on the protein composition, 839.

Sakagami, S.F., and M.J. Toda. Some arctic and subarctic solitary bees collected at Inuvik and Tuktoyaktuk, NWT, Canada (Hymenoptera: Apoidea), 395.

Sanders, C.J. Evaluation of high-capacity, nonsaturating sex pheromone traps for monitoring population densities of spruce budworm (Lepidoptera: Tortricidae), 611.

Sarazin, M.J. Primary types of Aculeata (Hymenoptera) in the Canadian National Collection, 287.

Primary types of Symphyta (Hymenoptera) in the Canadian National Collection, 621.

Primary types of Ceraphronoidea, Evanioidea, Proctotrupoidea, and Trigonaloidea (Hymenoptera) in the Canadian National Collection, 957.

Seabrook, W.D. See Bergh and Seabrook, 37.

See Ponder *et al.*, 797.

Schmid, F., and I.M. Levanidova. Quelques Trichoptères de l'Extrême-Orient soviétique, 1165.

Sharkey, M.J. The phylogenetic affinities of *Mesocoelus* Schultz (Agathidinae: Braconidae: Hymenoptera), 283. Erratum, 838.

Pharpa, a new genus of neotropical Agathidinae (Hymenoptera: Braconidae) with a discussion of phylogenetic relationships, 1231.

Sharpnack, N.X. See DeMars *et al.*, 881.

Shewell, G.E. New American genera of Lauxaniidae, based on species of earlier authors, and a note on *Lyciella rorida* (Fallén) in North America (Diptera), 537.

Shoemaker, C.A. See Onstad *et al.*, 123.

Shorthouse, J.D., and R.G. Lalonde. Formation of flowerhead galls by the Canada thistle gall-fly *Urophora cardui* (Diptera: Tephritidae), under cage conditions, 1199.

Shorthouse, J.D., A. West, R.W. Landry, and P.D. Thibodeau. Structural damage by female *Hemadas nubilipennis* (Hymenoptera: Pteromalidae) as a factor in gall induction on lowbush blueberry, 249.

Sjogren, R.D. See Batzer and Sjogren, 1193.

Slater, G.P. See Palaniswamy *et al.*, 1279.

Smith, I.M., and D.R. Oliver. Review of parasitic associations of larval water mites (Acari: Parasitengona: Hydrachnida) with insect hosts, 407.

Smith, L.B. See Loschiavo and Smith, 641.

Smith, R.F. Efficacy of selected insecticides against *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae), a leafminer of chrysanthemum, 761.

Smith, R.F., and J.M. Hardman. Rates of feeding, oviposition, development, and survival of *Liriomyza trifolii* (Burgess) (Diptera: Agromyzidae), on several weeds, 753.

Spence, J.R. See Lee and Spence, 943.

Stein, J.D., and G.P. Markin. Evaluation of four chemical insecticides registered for control of the Douglas-fir cone gall midge, *Contarinia oregonensis* (Diptera: Cecidomyiidae), and the Douglas-fir seed chalcid, *Megastigmus spermotrophus* (Hymenoptera: Torymidae), in Douglas-fir seed orchards, 1185.

Stevenson, A.B. Relationship between temperature and development of the carrot weevil, *Listronotus oregonensis* (LeConte) (Coleoptera: Curculionidae), in the laboratory, 1287.

Straley, G.B. See Covell *et al.*, 499.

Summy, K.R., F.E. Gilstrap, and W.G. Hart. Correlation between flight trap response and foliar densities of citrus blackfly, *Aleurocanthus woglumi* (Homoptera: Aleyrodidae), 81.

Szlabey, D.L. See Wong and Szlabey, 577.

Taylor, R.A.J. See Flinn *et al.*, 281.

Thibodeau, P.D. See Shorthouse *et al.*, 249.
Thomson, A.J. See Sahota *et al.*, 839.
Threlkeld, S.F.H. Some effects of permethrin on the behavior of *Drosophila melanogaster* Meigen (Diptera: Drosophilidae), 481.
Tilles, D.A., and D.L. Wood. Foraging behavior of the carpenter ant, *Camponotus modoc* (Hymenoptera: Formicidae), in a giant sequoia forest, 861.
Toda, M.J. See Sakagami and Toda, 395.
Trimble, R.M. Effect of temperature on oviposition and egg development in the spotted tentiform leafminer, *Phyllonorycter blancardella* (Lepidoptera: Gracillariidae), 781.
Assessment of a sex-attractant trap for monitoring the spotted tentiform leafminer, *Phyllonorycter blancardella* (Fabr.) (Lepidoptera: Gracillariidae): relationship between male and female emergence and between trap catches and emergence, 1241.
Turgeon, J.J. The phenological relationship between the larval development of the spruce budmoth, *Zeiraphera canadensis* (Lepidoptera: Olethreutidae), and white spruce in northern New Brunswick, 345.
Turnbull, S.A. See Harris and Turnbull, 1173.
Van Natto, C., and R. Freitag. Solar radiation reflectivity of *Cicindela repanda* and *Agonum decentis* (Coleoptera: Carabidae), 89.
Erratum, 1078.
Vernon, R.S. A spectral zone of color preference for the onion fly, *Delia antiqua* (Diptera: Anthomyiidae), with reference to the reflective intensity of traps, 849.
Vockeroth, J.R. Revision of the New World species of *Paragus* Latreille (Diptera: Syrphidae), 183.
Nomenclatural notes on Nearctic *Eupeodes* (including *Metasyrphus*) and *Dasysyrphus* (Diptera: Syrphidae), 199.
Wagner, T.L., R.O. Flamm, and R.N. Coulson. A temperature-dependent model of reemergence of *Ips calligraphus* (Coleoptera: Scolytidae), 901.
Weegar, H.H. See Burgess and Weegar, 1059.
Weslien, J. See Lindelöw and Weslien, 59.
West, A. See Shorthouse *et al.*, 249.
White, N.D.G. See Loschiavo *et al.*, 1.
See Loschiavo and White, 733.
Wong, H.R., and D.L. Szlabey. Larvae of the North American genera of Diprionidae (Hymenoptera: Symphyta), 577.
Wong, J. See Loschiavo *et al.*, 1.
Wood, D.L. See Tilles and Wood, 861.